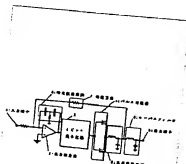


- =====
- WPI
- TI - Delta-sigma modulating amplifier for suppressing tuner disturbance - includes low pass filter which passes only frequency component of pulse signals that are within audio band
- AB - J11031928 NOVELTY - A HF removal unit (9) removes the frequency component exceeding the local oscillation frequency band of a tuner, among the pulse signals. A feedback circuit (7) feeds back the pulse signal output from the HF removal unit to the differential integrator (2). A low pass filter (5) passes only the frequency component of the pulse signals that are within the audio band.
- USE - For suppressing tuner disturbance.
- ADVANTAGE - Avoids bad effect on audio characteristics. Improves efficiency of power amplifier. Removes higher harmonic component and avoids tuner interference. DESCRIPTION OF DRAWING(S) - The drawing shows the block diagram of the delta-sigma modulator. (2) Differential integrator; (5) Low pass filter; (7) Feedback circuit; (9) HF removal unit.
- (Dwg. 1/3)
- PN - JPI1031928 A 19990202 DW199915 H03F3/38 005pp
- PR - JPI19970182522 19970708
- PA - (MATU ) MATSUSHITA DENKI SANGYO KK
- MC - U21-A04 U24-G01B1 U24-G02D U24-G02E U24-G03D W02-H01 W03-C01C
- DC - U21 U24 W02 W03
- IC - H03F3/38
- AN - 1999-177734 [15]
- =====
- PAJ
- TI - DIGITAL SIGMA MODULATING AMPLIFIER
- AB - PROBLEM TO BE SOLVED: To avoid tuner disturbances by moving higher harmonic components without making audio characteristics worse as to a digital sigma modulating amplifier used for a high-efficient power amplifier.
- SOLUTION: A digital sigma modulating amplifier comprises an analog signal input terminal 1, a difference integrator 2, a 1-bit quantizer 3, a pulse amplifier 4, a feedback circuit 7, a high-frequency eliminating part 9 which eliminates frequency components above the local oscillation frequency of a tuner, and a low-pass filter 5 which extracts an output. In eliminating feedback loop, a signal generated by attenuating and eliminating higher harmonic component of the power pulse signal of the pulse amplifier 4 by the high-frequency eliminating part 9 is fed back to the difference integrator 2 in order through the feedback circuit 7 to suppress noises in the local oscillation frequency band of the tuner.
- PN - JPI1031928 A 19990202
- PD - 1999-02-02
- ABD - 19990531
- ABV - 199905
- AP - JPI19970182522 19970708
- PA - MATSUSHITA ELECTRIC IND CO LTD
- IN - HATANAKA MASAHICO; IWATA KAZUYA
- I - H03F3/38



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